

For Research Use Only

Anti-Human ADAM17 Rabbit Recombinant Antibody

Catalog Number: 98674-2-RR



Basic Information

Catalog Number:

98674-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG4732

GenBank Accession Number:

NM_003183.5

GeneID (NCBI):

6868

UNIPROT ID:

P78536-1

Full Name:

ADAM metalloproteinase domain 17

Calculated MW:

93 kDa

Purification Method:

Protein A purification

CloneNo.:

251631A5

Recommended Dilutions:

FC: 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : human PBMCs,

Background Information

The ADAMs (A Disintegrin And Metalloprotease) are multidomain transmembrane proteins. One of the first ADAMs implicated in membrane shedding is ADAM-17, which is shown to release the active form of tumor necrosis factor (TNF)-α from its precursor (PMID:18238782). ADAM17 mediates the release of pro-inflammatory cytokines and modulates cell signaling pathways involved in tumor progression and metastasis (PMID:17438092).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

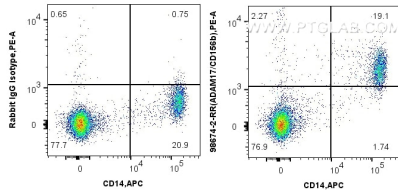
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

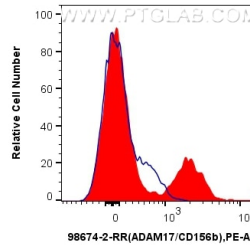
E: proteintech@ptglab.com
W: ptglab.com

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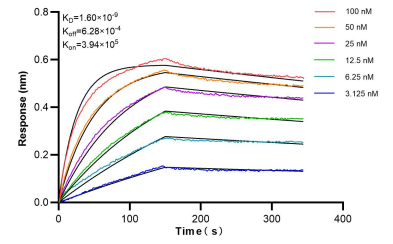
Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ADAM17 Rabbit RecAb (98674-2-RR, Clone:251631A5), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human ADAM17 Rabbit RecAb (98674-2-RR, Clone:251631A5) (red) and PE-Conjugated Goat Anti-Rabbit IgG(H+L), or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98674-2-RR against Human ADAM17 were performed. The affinity constant is 1.60 nM.